Translation





PCT.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT 511677

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PL2 02018PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No. PCT/FR2003/001219	International filing date (day/mo				
International Patent Classification (IPC) or na C03C 17/34	itional classification and IPC				
Applicant	SAINT-GOBAIN GLASS	FRANCE			
 and is transmitted to the applicant accompanies This REPORT consists of a total of	sheets, including ded by ANNEXES, i.e., sheets of this report and/or sheets contain Administrative Instructions unde	the description, claims and/or drawings which have been ing rectifications made before this Authority (see Rule			
I Basis of the report II Priority III Non-establishment of IV Lack of unity of inverting the content of the	Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Lack of unity of invention Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Certain documents cited Certain defects in the international application				
Date of submission of the demand 02 septembre 2003 (02.09)	9.2003)	completion of this report 17 August 2004 (17.08.2004)			
Name and mailing address of the IPEA/EP Facsimile No.	Authori	ized officer one No.			



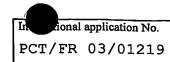
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR2003/001219

	1. Dasis of the report							
1. With regard to the elements of the international application:*								
		the inte	mational application as originally filed					
	冈	the des	cription:					
		pages	•	os originally filed				
		pages	1-13	, as originally filed , filed with the demand				
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		pages	1-26	, as originally filed				
		pages	, as amended (together with a	ny statement under Article 19				
		pages		, filed with the demand				
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	L] t	he seque	ence listing part of the description:					
		pages		, as originally filed				
		pages		, filed with the demand				
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2.	With	regard t	o the language, all the elements marked above were available or furnished to this Auth	•				
	the in	nternation	nal application was filed, unless otherwise indicated under this item.					
	Inese			which is:				
	H		guage of a translation furnished for the purposes of international search (under Rule 23.1	(b)).				
	\square		guage of publication of the international application (under Rule 48.3(b)).					
	Ш	the lan	aguage of the translation furnished for the purposes of international preliminary examination.	nation (under Rule 55.2 and/				
3.		regard minary e	to any nucleotide and/or amino acid sequence disclosed in the international a examination was carried out on the basis of the sequence listing:	application, the international				
		contair	ned in the international application in written form.					
		filed to	ogether with the international application in computer readable form.					
			ned subsequently to this Authority in written form.					
	\Box	furnish	ned subsequently to this Authority in computer readable form.					
		The s	tatement that the subsequently furnished written sequence listing does not go be ational application as filed has been furnished.	eyond the disclosure in the				
		The st	atement that the information recorded in computer readable form is identical to the urnished.	written sequence listing has				
4.	П	The an	nendments have resulted in the cancellation of:					
			the description, pages					
		Ħ	the claims, Nos					
		H	the drawings, sheets/fig					
		<u></u>	the drawings, sneets/ng					
5.		This rebeyond	port has been established as if (some of) the amendments had not been made, since the the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	y have been considered to go				
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).								
** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.								

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	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
. Statement				
Novelty (N)	Claims	2, 3, 6-15, 17, 18, 20-24, 26	YES	
	Claims	1, 4, 5, 16, 19, 25	_ NO	
Inventive step (IS)	Claims	2, 3, 6-15, 17, 18, 20-24, 26	YES	
	Claims	1, 4, 5, 16, 19, 25	_ NO	
Industrial applicability (IA)	Claims	1-26	YES	
	Claims		NO	

Citations and explanations

1. Documents

Reference is made to the following documents:

D1: EP-A-1 132 133 (NANOPOUDRES TECHNOLOGIES) 12

September 2001 (2001-09-12)

D2: EP-A-0 882 686 (NIPPON SHEET GLASS CO LTD) 9
December 1998 (1998-12-09)

D3: WO 00 75087 A (HURST SIMON JAMES; PILKINGTON PLC (GB); AMMERLAAN JOHANNES ANDREAS) 14 December 2000 (2000-12-14)

D4: US 2001/030808 A1 (KOMATSU TORU ET AL) 18
October 2001 (2001-10-18)

D5: WO 01 32578 A (SAINT-GOBAIN GLASS FRANCE;

DURANDEAU ANNE (FR); SIMONET MICHEL (FR) 10 May

2001 (2001-05-10)

2. Subject matter of the application

Claims 1 to 23 define a substrate having, for example, a glass, polymer or ceramic coating in, for example, sheet or fibre form, provided with a first silicon-compound-based (oxide, oxycarbide, oxynitride, oxycarbonitride) hydrophilic layer and a second titanium oxide photocatalytic coating, said second coating having a discontinuous/permeable structure. Claims 24 to 26 define

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the use of such a coated substrate.

3. Novelty and inventive step

D1 (see paragraph [0029], claims) describes a fibrous fabric, coated with a first layer of silicon nanoparticles and a second mesoporous photocatalytic layer.

Consequently, D1 describes all the features of claims 1, 4, 5, 16, 19 and 25.

The subject matter of claims 1, 4, 5, 16, 19 and 25 is therefore not novel.

D1 does not deprive the subject matter of claims 2, 3, 6 to 15, 17, 18, 20 to 24 and 26 of novelty and inventive step.

D2 to D5 are not prejudicial to the novelty and inventive step of the subject matter of the claims.